



Welcome to the USDA-CSREES National Water Conference
Research, Extension and Education for Water Quality and Quantity

Sunday, February 8

9:00am - 5:00pm	Lewis	Region 10 Meeting Chair: Bob Mahler, University of Idaho
1:00pm		Registration Opens
2:00pm - 5:00pm	Clark	Region 8 Meeting Chair: Reagan Waskom, Colorado State University
3:00pm - 6:00pm	Field	Region 3 Steering Committee Chair: Doug Parker, University of Maryland
7:00pm - 8:30pm	Lewis	CSL Communications Committee Co-Chairs: Mark McFarland, Texas A&M University and Art Gold, University of Rhode Island

Monday, February 9

7:30am - 8:30am	Laclede	Committee for Shared Leadership, Liaisons, and National Facilitation Projects Chair: Chris Obropta, Rutgers University
8:00am		Registration Opens
8:30am - 10:00am	Jefferson F	Web Site Coordinators Meeting Chair: Kelly Addy, University of Rhode Island
8:30am - 10:00am	Field	1890 Land Grant Institutions Co-Chairs: Sam Dennis, Tennessee State University and Cass Gardner, Florida A&M University
8:30am - 10:00am	Clark	1994 Land Grant Institutions Chair: Virgil Dupuis, Salsesh Kootenai College, Montana

Monday, February 9 Topical Meetings (open to all attendees)

9:00am - 10:00am	Lewis	<p>These meetings are chaired by leaders of National Facilitation Projects funded by the USDA-CSREES 406 grant program to facilitate collaborative research, extension, and education to address high-priority national water issues.</p> <p>NEMO, Nonpoint Education for Municipal Officials Chair: David Dickson, University of Connecticut This session will provide information on the National NEMO Network, a coalition of 32 outreach education programs in 30 states that help local land use officials balance growth and natural resource protection. It will help participants learn more about the "NEMO" approach to stormwater education and how it has been adapted in different states. Open to all.</p>
9:00am - 12:00pm	Jefferson A	<p>Epi-Net Update: Protozoan Water Pathogens: Cryptosporidium and Giardia Chair: Ron Turco and Militza Carrero-Colon, Purdue University Parasitic protozoa are eukaryotic microscopic organisms that can be transmitted through water and cause disease. This discussion will provide a comprehensive evaluation of cryptosporidium and giardia, the disease they cause, state-of-the-art detection methods, treatment alternatives and prevention. For more information, see this website: www.epi-net.org</p>

9:00am - 12:00pm	Jefferson B	<p>Biofuels and Community Sustainability: Working Session on Community Needs for Outreach Programs</p> <p>Co-Chairs: Robin Shepard, Jerry Hembd, and Sharon Lezberg, University of Wisconsin, and Gerald Miller, Iowa State University</p> <p>The purpose of this meeting is to explore the needs you may have as you work with producers and communities in addressing issues such as bio-fuel production, energy independence, water quantity and sustainable community planning. This session will focus on a dialog among campus specialists and community educators with the intent of linking those needs to those of our community constituents. This will help us develop creative approaches to outreach education and applied research programming. Please come and express your opinion. Your collective insights will be used to develop a national training program for Extension efforts in this field.</p>
9:00am - 12:00pm	Soulard	<p>Brainstorming Performance-based Incentives for Agricultural Pollution Control</p> <p>Chair: Chad Ingels, Iowa State University</p> <p>This participatory workshop is focused on identifying water quality performance measures to which farm-level incentive payments can be linked. This session will use break out groups by water-quality issue to discuss tools and approaches for quantifying environmental performance at the farm-level. This session will also provide an opportunity to participate in a publication and/or further work of this National Facilitation project.</p>
9:00am - 12:00pm	Jefferson C	<p><u>Changing Public Behavior: Addressing the Challenges of Applying Social Assessment Tools to Water Management Strategies</u></p> <p>Co-Chairs: Elaine Andrews and Kate Reilly, University of Wisconsin Extension Environmental Resources Center</p> <p>What are we learning from county natural resource professionals and educators about the challenges of applying social marketing techniques or social assessment tools in their water management strategies? The Changing Public Behavior National Facilitation Project traveled from coast to coast this year to pilot a series of workshops that are testing innovative techniques and resources for building educator skills. We created workshop activities and a related online Self-Study Module to help Extension natural resource professionals and educators increase their skills in using and collecting audience information for designing an outreach strategy.</p>
10:00am - 12:00pm	Chouteau	<p>Water Coordinators Meeting: Successfully Integrating 1862, 1890, 1994, and HSI Land-Grant Institutions in Regional Water Programs</p> <p>Co-Chairs: Chris Obropta, Rutgers University; Virgil Dupuis, Salesh-Kootenai College; Cassell Gardner, Florida A&M University</p> <p>How can we build and strengthen educational opportunities in water resources to address the pressing 21st century demands of sustainability, climate change, and work force needs, while integrating research, education, and Extension?</p>
12:00pm - 1:00pm		Lunch on your own
1:00pm - 5:00pm	Grand Ballroom	Poster Setup
1:00pm - 6:00pm	Jefferson A	<p>NRI Grant Awardees Meeting</p> <p>Chair: Mary Ann Rozum, USDA-CSREES</p> <p>The NRI water and watersheds meeting will review funded grants and promote discussion among projects. Abstracts of funded projects are available on the web at www.usawaterquality.org.</p>
1:00pm - 5:00pm	Jefferson B	<p>Workshop: Making the Most of Your Monitoring Data: Strategies for Effective Outreach in Your Local Community</p> <p>Co-Chairs: Elizabeth Herron and Kris Stepenuck, University of Rhode Island</p> <p>This workshop will help Extension researchers and educators, including volunteer monitoring program coordinators, to more effectively interpret and communicate information generated through local monitoring efforts. Participants will learn about and practice some innovative as well as tried and true strategies for sharing monitoring results successfully with the public and local decision-makers. This will lead to improved understanding of water quality information by local stakeholders, increasing awareness of, access to, and utilization of volunteer generated monitoring data to affect water resource policy decision-making.</p>
1:00pm - 4:00pm	Jefferson C	<p>Workshop: Extension Youth Water Education: Expanding Community-based Outreach Efforts</p> <p>Presenters: Nancy Mesner, Utah State University; Kate Reilly, University of Wisconsin; and Jill Bramble, 4-H Council; Barb Liukkonen, Univ. of Minnesota</p> <p>Young people have a natural curiosity about science and the environment, and are eager to help protect our natural resources. Youth water education can result in real gains in awareness and knowledge of water science and watershed principles. Youth stewardship projects have the potential to leverage resources for monitoring, restoration, and other watershed management needs.</p> <p>During this 3-hour session we will outline Extension's youth water initiatives past and present; learn about Extension's 4-H youth development model and water projects; examine Best Practices for Field Days, a resource for planning and evaluating successful youth events; and highlight tips on how to develop materials and activities that meet the needs of youth and K-12 teachers. Finally, we'll explore the needs of state and regional water programs to find or develop youth programs that meet watershed management goals.</p>
1:00pm - 5:00pm	Jefferson D	<p>Workshop: eXtension Community of Practice - Drinking Water</p> <p>Co-Chairs: Elaine Andrews, University of Wisconsin and Kitt Farrell-Poe, University of Arizona</p> <p>The recently funded Drinking Water and Human Health Community of Practice (CoP) provides an opportunity to engage Extension professionals and their clients in creating a national resource about drinking water and compliments and strengthens National Water Program activities. This session is a closed meeting where the Core Leader Team will finalize the work plan and management strategy for eXtension Web site development in 2009.</p>

1:00pm - 5:00pm	Jefferson E	<p>Symposium: Applications of Climate Information at the Intersections of Agriculture and Water Co-Chairs: Reagan Waskom, Colorado State University and John Wiener, University of Colorado</p> <p>The goal is to orient and provide background to help professionals integrate climate information in water resources outreach, teaching and research and to gain a view of the state of climate science outreach, the resources available, the challenges and opportunities for interfacing between the public and climate sciences.</p>
3:00pm - 5:00pm	Jefferson F	<p>CEAP Investigator Meeting Chair: Deanna Osmond, North Carolina State University</p> <p>Using a discussion format, CSREES CEAP project personnel will share issues, problems and successes associated with their projects.</p>
3:00pm - 5:00pm	Laclede	<p>Reporting System Points of Contact Meeting Chair: Jennifer Kushner, University of Wisconsin</p> <p>This working session will focus on the national impact reporting system and will include an overview of the web-based platform. In addition, the session will include guidelines for evaluating projects from both a formative (project improvement) and summative (project outcomes) perspective. Particular emphasis will be placed on developing indicators and articulation of outcomes.</p>
5:00pm - 7:00pm	Grand Ballroom	Reception in the Poster/Exhibit Area sponsored by Monsanto
6:00pm - 9:00pm	Lewis	<p>Regions 1 and 2 Meeting Chair: Art Gold, University of Rhode Island</p>
6:00pm - 8:00pm	Chouteau	<p>Regions 4 and 6 Meeting Chair: Mark McFarland, Texas A&M University</p>
6:00pm - 8:00pm	Clark	<p>Region 5 Meeting Chair: Robin Shepard, University of Wisconsin</p>
6:00pm - 8:00pm	Field	<p>Region 8 Meeting Chair: Reagan Waskom, Colorado State University</p>
7:00pm - 8:00pm	Laclede	<p>Region 3 Meeting Chair: Doug Parker, University of Maryland</p>
7:00pm - 9:00pm	Soulard	<p>Region 7 Heartland Region Meeting Chair: Gerald Miller, Iowa State University</p>
Tuesday, February 10		
7:00am - 8:00am	Laclede	<p>Committee for Shared Leadership Chair: Chris Obropta, Rutgers University</p>
8:00am - 10:00am	Millennium Exhibit Hall	<p>General Session Moderator: Chris Obropta, Rutgers University</p> <p>Perspectives from the CSREES-Land Grant University Partnership Mary Ann Rozum, National Program Leader, USDA-CSREES Mike O'Neill, National Program Leader, USDA-CSREES</p> <p>Invited Presentations: Understanding Mississippi River Basin Challenges Tracking Nutrient Delivery from Upland Watersheds to Coastal Waters Richard Alexander, US Geological Survey</p> <p>Hypoxia from a Farmer's Point of View Bill Northey, Iowa Secretary of Agriculture</p> <p>Awards Presentation Mike O'Neill, National Program Leader, Water Quality, USDA-CSREES</p>

10:00am - 12:30pm	Grand Ballroom Near Registration	Poster Session with Lunch Provided for All Conference Attendees eXtension Demonstration Center Co-Chairs: Rick Koelsch, University of Nebraska and Elaine Andrews, University of Wisconsin The eXtension Demonstration Center provides live and virtual demonstration of eXtension web resources. Conference participants will be introduced to eXtension and the benefits of becoming engaged, learn about eXtension Communities of Practice engaged in natural resource issues, and identify opportunities to participating in a CoP. Drinking Water Issues and Livestock Environmental Learning Center CoPs and eXtension staff are hosting the eXtension Demonstration Center.			
10:00am - 1:00pm	Field	Regions 1 and 2 Meeting Chair: Art Gold, University of Rhode Island			
11:00am - 12:00pm	Lewis	Workshop: Introduction to Podcasting Chair: Craig Runyan, New Mexico State University An introduction to the basics of producing educational video and audio podcasts. Targeted for Extension professionals and classroom instructors, the workshop will cover hardware and software options, steps toward a final product, and media formats for either public or restricted audiences.			
11:00am - 12:30pm	Laclede	Committee for Shared Leadership Chair: Chris Obropta, Rutgers University			
Tuesday, February 10 Concurrent Sessions					
	Session A1	Session C1	Session W1	Session H1	CEAP Session 1
12:30-2:30pm	Fertilizer & Pesticides Moderator: Amanda Schielke, Kansas State University	Ag Water Conservation Moderator: Daphne Pee, University of Maryland	Watershed Assessment Moderator: Maifan Silitonga, Alcorn State University	Social Data Moderator: Robin Shepard, University of Wisconsin	CEAP: Modeling Moderator: Deanna Osmond, NC State University
	Chouteau	Jefferson ABC	Millennium Exhibit Hall	Jefferson DE	Jefferson F
12:30pm	Peter Scharf Crop Sensors to Guide Nitrogen Fertilizer Applications: Reduce N Loss, Not Yield	Mark Masters A GIS Foundation of Agricultural Water Planning in Georgia	Phil Barnes Watershed Water Quality Assessment Tools	Linda Prokopy Social Indicators as a Planning and Evaluation Tool for Non Point Source Projects	Claire Baffaut Simulation of Lateral Flow with SWAT
12:50pm	Clifford Snyder Fertilizer BMPs to Minimize Impacts on Water Quality: A Shared Vision	Brian Klepper Innovative Uses of Water Reuse Systems by U.S. Poultry Processors to Meet Water Conservation Goals	Faye Sleeper Tracking and Reporting for Minnesota's Impaired Waters: A Shared Framework for Four State Agencies	Adam Baumgart-Getz What Motivates Landowners to Maintain Best Management Practices?	Jan Boll CEAP Synthesis: Regional Classification for Identification of Dominant Hydrologic Flow Paths and Critical Management Zones
1:10pm	Karl Guillard Objective Testing Methods to Guide Nitrogen Fertilization of Turfgrass that Reduce Threats to Water Quality	Frank Henning Advancing Rainwater Harvesting Education	Stacie Minson Effectiveness of Continuous Stream Monitoring to Target High Polluting Sub-Watersheds within Larger Watersheds	Karly Eckman Minnesota's Experience in Testing Social Indicators to Measure Behavior Change	Ashish Mudgal Effects of Long-term Soil and Crop Management on Soil Hydraulic Properties for Claypan Soils
1:30pm	Nicholas Kiggundu Evaluating Nutrient and Irrigation Management Practices in an Avocado Orchard	Kevin Urbanczyk Sustainable Water Conservation in the Rio Grande Basin	Karl Williard Impacts of Watershed Land Cover and Riparian Buffer Metrics on Water Quality in the Lower Kaskaskia River Basin, Illinois	Kristin Fiorese Accessing Resources: Social Capital, Social Networks, and Watershed Groups	Nathan Nelson Conservation Practice Evaluation with SWAT and GIS Databases in the Cheney Lake Watershed Conservation Effects Assessment Project (CEAP)
1:50pm	Indrajeet Chaubey Development of a Multi-objective Optimization Tool for the Selection and Placement of BMPs for Pesticide Control	Mark Risse When 50 inches isn't Enough: Developing a Water Conservation Implementation Plan in Georgia	John Yang Determination the Precursors of Disinfection Byproducts in Lake Water by Fluorescence EEM-PARAFAC Technique	Rebecca Power Using Social Data to Target and Increase the Effectiveness of Nonpoint Source Outreach Strategies	Hugo Perera-Estrada Modeling Groundwater Nitrate Transport Beneath a Ground Water Quality Management Area in the Central Platte Region of Nebraska
2:10pm	John Gilley Narrow Grass Hedge Effects on Nutrient Transport	Doug Wilson ACF Water War: Focus on Agriculture	Willis Weight Groundwater Surface-Water Interaction of First-Order Riparian Drainages Impacted by Conifer Encroachment	Chad Ingels Facilitating Social and Environmental Successes in Performance-based Environmental Management	Tammo Steenhuis Distributed Hydrological Modeling of Runoff Generation and Total Dissolved Phosphorus Transport to Improve BMP Evaluation in a New York City Source (CEAP) Watershed
2:30pm	Break				

Tuesday, February 10 Concurrent Sessions					
	Session A2	Session C2	Session W2	Session H2	CEAP Session 2
2:50-5:10pm	Animal Waste Moderator: Jean McGuire, Iowa State University	Water Supply Moderator: Jim Bauder, Montana State University	Watershed Understanding Moderator: Katherine Milla, Florida A&M University	Changing Behaviors Moderator: Laura McCann, University of Missouri	CEAP: BMP Effectiveness Moderator: Lisa Duriancik, USDA-NRCS
	Chouteau	Jefferson ABC	Millennium Exhibit Hall	Jefferson DE	Jefferson F
2:50pm	Rick Koelsch Livestock and Poultry Environmental Learning Center - Connecting with Clientele Using Web 2.0	Dan Downing Soil, Water, and Society - A Changing Paradigm	Sudhanshu Panda Geospatial Model Development for Watershed Based Fecal Coliform Estimation and Comparison with Virginia Tech's Bacteria Loading Calculator	Kate Reilly Assessing Our Skills and Confidence in Changing Public Behavior	Susan Yetter Evaluation of Abiotic and Biotic Responses to BMP Implementation in Small Agricultural Streams of the Spring Creek Watershed in Central Pennsylvania
3:10pm	Kristin Rowles Moving Poultry Litter: Water Quality Incentive Design - A Multi-Disciplinary Approach	William Hargrove From Dust Bowl to Mud Bowl: Sedimentation of Reservoirs and its Threat to Public Water Supplies	James Romeis Phosphorus Transfer in Hydrologic Pathways Connected to Critical Source Areas in a Headwater Agricultural Watershed	Bill O'Connell Engaging Agriculture in Source Water Protection	Mary Exner Evaluation of the Effectiveness of Selected Farm Practices in Reducing Groundwater Nitrate
3:30pm	Robert Graves Programs for Anaerobic Digester Owner/Operators	Channah Rock Status of Generation, Reuse and Recharge of Treated Wastewater in Arizona; Evaluation of Programs, Data Sources and Utilization Opportunities	Y.-Ping Hsieh Phosphorous Exchange Rates and Phosphorus Fractions of Wetland Sediments in the Upper St. Johns River Basin of Central Florida	Roxanne Johnson Joining Forces to Assess Water Quality in Rural North Dakota	Ronald Turco CEAP: Watershed-Scale Evaluation of BMP Effectiveness and Acceptability in the Eagle Creek Watershed, Indiana
3:50pm	John Gilley Nutrient Concentrations of Runoff During the Year Following Manure Application	James Hook Agricultural Water Demand Forecasts for Predictions of Surface Water Withdrawals in Georgia	Lenore Tedesco Towards An Understanding of Water Quality in a Mixed Agricultural and Urban Watershed: Eagle Creek Watershed, Indiana	Alan Collins What Do Riparian Owners Really Want? Survey Results from Virginia and West Virginia	Jaepil Cho Long-Term Water Quality Responses to Conservation Practices in Nested Coastal Plain Watersheds: A CEAP Project
4:10pm	Rory Maguire Manure Injection as a Best Management Practice to Protect Water Quality	Andrew Leidner Analysis of Economies of Size in Potable Water-treatment Technologies in South Texas	Becky Sapper Developing a Process and Technical Criteria for Evaluating Wisconsin's Lake Superior Freshwater Estuaries - Ecological Characteristics, Research Potential, and Education Opportunities	Cliff Treyens Communicating Ground Water Stewardship to the General Public: The NGWA Story	Indrajeet Chaubey Water Quality Trends in a CEAP Watershed
4:30pm	Joseph Harrison Relationship of Tillage and Dairy Manure Application to Shallow Ground Water Nitrate	Kwami Adanu Cost Function Estimation in the Water Industry - Functional Forms and Efficiency Measures	Jason Todd Instream Swamps and their Influence on Dissolved Oxygen Levels within Blackwater Streams on the Southeastern Coastal Plain	Mae Davenport It's like Putting 50 Gallons of Water in a 5 Gallon Bucket: Examining Multiple Stakeholder Perspectives on Watershed Health in Southwestern Illinois	Indrajeet Chaubey BMP Effectiveness Evaluation in a CEAP Watershed: What Have We Learned from Watershed Modeling?
4:50pm	Lisa Blue Mobility of Arsenic and Trace Contaminant Metals in Poultry Litter Amended Agricultural Soils	Emily Seawright Economic Implications of Biological Control of Giant Reed on the Rio Grande	Raj Butalia Comparing Water Yield from Simulations using STATSGO and SSURGO Soil Datasets in a North Carolina Piedmont Watershed	Linda Thurston Building an Evaluation Framework for Assessing the Impact of Watershed Interventions and Programs in Kansas	
5:30pm-7:00pm	Grand Ballroom	Reception in the Poster/Exhibit Area sponsored by Syngenta			
7:00pm-9:00pm	Jefferson DE	Successful Proposal Writing for CSREES Competitive Grant Programs Co-Chairs: Mike O'Neill and Mary Ann Rozum, USDA-CSREES Mary Ann Rozum and Mike O'Neill will provide an overview of current CSREES competitive grant programs for water resources and will offer tips for applicants to these programs. They will focus on priorities for the new Agriculture and Food Research Initiative - Water and Watersheds Program and the Integrated Water Quality Program. Potential applicants are encouraged to attend; the session will offer considerable Q/A opportunities.			

Wednesday, February 11					
7:00am-8:00am	Laclede	Committee for Shared Leadership Chair: Chris Obropta, Rutgers University			
Wednesday, February 11 Concurrent Sessions					
8:00-10:00am	Session A3 Best Management Practices Moderator: Joe Lally, Iowa State University	Session C3 Irrigation Moderator: Ginger Paige, University of Wyoming	Session W3 Watershed Management Tools Moderator: Alan Collins, West Virginia University	Session H3 Influencing Outcomes Moderator: James Pease, Virginia Tech	CEAP Session 3 CEAP: Social Factors Moderator: Jan Boll, University of Idaho
	Chouteau	Jefferson ABC	Millennium Exhibit Hall	Jefferson DE	Jefferson F
8:00am	Brian Brandt From Farm to Sea: Agriculture Working for Cleaner Water	Hamid Farahani A Closer Look at Irrigation Water Management in South Carolina	David Radcliffe Spreadsheet for Converting Saturated Hydraulic Conductivity to Long Term Acceptance Rate for On-site Wastewater Systems	Charles Abdalla Evaluation Framework for State Water Quality Credit Trading Programs in the Mid- Atlantic Region	Dana Hoag CEAP Synthesis: Preliminary Key Informant Interviews
8:20am	George Czapar Adoption of Best Management Practices in the Lake Bloomington Watershed in Illinois	John Lea-Cox Implementation of Wireless Sensor Networks for Real-Time Irrigation Management in Nursery and Greenhouse Production Environments	Kyle Glazewski Development of the Soil and Water Assessment Tool (SWAT) to Assess Water Quality in the Red River of the North Watershed	Kevan Klingberg How Farmers Define Environmental Problems	Linda Prokopy Social Acceptability of BMPs: Results from the Eagle Creek CEAP Project
8:40am	Adam Speir The Promotion and Improvement of Environmental Stewardship in Georgia Agriculture through a Partnership Program	Thomas Scherer Using the Internet for Site-specific Irrigation Scheduling	Laura Blake Watershed-Level Optimization of BMP Selection for Cost-Effective Pollutant Load Reduction	Laura McCann Observability and Non-point Source Pollution	Theresa Selfa Examining the social dynamics of watershed governance: lessons from Kansas
9:00am	Charles Wortmann Reducing Phosphorus Pollution of Surface Waters in Crop-Ethanol-Livestock Ecosystems of the Midwest	Theodor Strelkoff Predicting Irrigation-Induced Furrow Erosion with WinSRFR	Timothy Link Effectiveness Assessment of Best Management Practices for Forestry in the Inland Pacific Northwest	Karen Manges Douglas Navigating the Waters of the Texas-Mexico Border: The Logistics of Operating Along an Asymmetrical Boundary	Jennie Popp What Factors Influence Water Quality in Lincoln Lake Watershed? Perceptions of Important Stakeholders
9:20am	Herschel George Demonstration Projects that Change Producer Attitudes	Forrest Stegelin The Positive Economics of Greenhouse Irrigation	Katie Giacalone Fecal Coliform TMDL Implementation Plan and the Use of Microbial Source Tracking: A New Jersey Case Study	Ken Genskow Maintaining Long-term Agency-Extension Partnerships: Wisconsin's Basin Education Initiative	Naga Prasad Daggupati Identifying Potential Ephemeral Gully Locations at Watershed Scale
9:40am	Ronald Graber Implementation of Best Management Practices in the Little Arkansas Watershed	Phil Tacker Implementation of 'Phaucet' Computer Program as BMP for Improving Furrow Irrigation	Jennifer Peterson Improving Water Quality through Stewardship: Development and Implementation of the Texas Watershed Steward Program	Sharon Walker Building Our Workforce Through Water Quality Research and Mentoring	Deanna Osmond Initial Progress of the CEAP Synthesis Project: Year 1
10:00am	Break				
10:20am-12:20pm	Session A4 Ag Watershed Results Moderator: Jamie Benning, Iowa State University	Session C4 Residential Water Moderator: Elaine Rossi, Rutgers University	Session W4 Watershed Restoration Moderator: Margaret Gitau, Florida A&M University	Session H4 Community Involvement Moderator: Garrett O'Keefe, Colorado State University	Session R1 Rural Environment Moderator: Mary Ann Rozum, USDA-CSREES
	Chouteau	Jefferson ABC	Millennium Exhibit Hall	Jefferson DE	Jefferson F
10:20am	Jeffrey Frey Importance of Streamflow and Land Use in Understanding Trends in Water Quality Associated with Agricultural Management Practices	Dennis Today Conserving Water through Lawn Watering Assessments	Suzanne Hoehne Rethinking Stream Restoration and Stormwater Management	Amanda Gumbert Cane Run Watershed Council: An Adventure in Watershed Involvement	Avner Vengosh An Integrative Study of the Sources and Effects of Naturally Occurring Contaminants in Private Wells in North Carolina: A Water Quality Prospective
10:40am	Mark Dubin Biofuels and the Bay: An Analysis of Crop Production Trends and Their Potential Water Quality Impacts within the Chesapeake Bay Watershed	Madeline Flahive DiNardo Stormwater Management in Your Backyard: An Extension Education Initiative for New Jersey, New York and Virginia	Charles Barden Streambank Stabilization and Restoration Practices on the Potawatomi Reservation in Kansas	Eve Brantley Community Involvement and Education - Town Creek Park Stream Restoration	Leticia Sonon Drinking Water from Private Household Wells in Georgia: Chemical and Biological Properties
11:00am	Lyubov Kurkalova Corn Stover Harvesting: Potential Supply and Water Quality Implications	Emma Melvin Roof-top to Rivers Rain Garden Contest - Cleaner Water through Gardening	Garey Fox Improving a Streambank Stability Model for Seepage Processes: An Improved River Restoration Tool	Patrick Robinson Wisconsin's National Estuarine Research Reserve Nomination: Integrating Multi-state Collaboration, Large-scale Group Processes, and Grassroots Involvement into Extension Programming	Kristine Uhlman Mapping Ground Water Vulnerability to Nitrate Contamination in Arizona

11:20am	John Lea-Cox A Knowledge Center for Water, Nutrient and Crop Health Management for the Nursery and Greenhouse Industry - Metrics, Motivation and Future Growth	Frank Henning Southeast Master Gardeners Use Distance Learning Technology to Tackle Watershed Issues	Mohammad Golabi Watershed Restoration by using Vetiver Grass Systems for Downstream Water Quality Improvement in Southern Guam	Michael Kenser Principles and Practices for Developing Leadership and Engagement in Communities	Brian Benham Developing the Virginia Master Well Owner Network in Virginia: Building Capacity to Protect Private Water Supplies
11:40am	Joseph Quansah Modeling and Optimization Approach to Managing Critical Pollution Areas within Watersheds	Melinda Watson Tennessee Yards & Neighborhoods: A Newly Formed Program Addressing the Challenges of Residential NPS Pollution	Rajith Mukundan Rapid Geomorphic Assessment and Sediment Source Tracking - North Fork Broad River, Georgia	Erin Seekamp Lessons Learned About Engaging Land Owners, Citizens, and Community Leaders in Participatory Watershed and Community Health Research	Ric MacDowell Extension's Advocacy Role in Wastewater Projects in Low Income Communities
12:00pm	Timothy Schauwecker Field Verification of Hydrologic Models and the Application of Decision Support Systems in the Conservation Planning Process	Mitch Woodward Lessons Learned: The North Carolina Backyard Rain Garden Program	Christopher Sass Quantification of In-channel Sediment Contributions: Black Vermillion River, KS	William Deutsch Trends and Adaptations of a Multi-year Volunteer Water Monitoring Program	Bruce Lesikar Installation Curriculum for Small Scale Wastewater Treatment Systems
12:20-1:20pm	Lunch on Your Own				
12:20-1:20pm	Lewis	Student Career Awareness Lunch Co-Chairs: Chris Obropta, Rutgers University, and Cass Gardner, Florida A&M University Pre-registration is required due to the need for a precise meal count.			
1:20-4:30pm	Symposium The Science of Setting Acceptable Levels of Off-Field Nutrient Losses in the Upper Mississippi River Basin Moderator: Gerald Miller, Iowa State University	Workshop Green Development: LID and Beyond Moderators: Bill Hunt and Dwane Jones, NC State University	Session W5 Pathogens in the Environment Moderator: Mary Ann Rozum, USDA-CSREES	Session H5 Educational Impacts Moderator: Elaine Andrews, University of Wisconsin	CEAP Session 4 CEAP Investigator Meeting Moderator: Jan Boll, University of Idaho
	Chouteau	Jefferson ABC	Millennium Exhibit Hall	Jefferson DE	Jefferson F
1:20pm	Goal: Bring the best science - physical, social, economic - to understanding sustainable and acceptable levels of off-field nutrient losses derived from farming practices.	Green Design and Development is environmental responsiveness. It is integrating water quality, and air quality concepts with building technology. Participants of this session will gain a basic understanding of methods, technologies, and practices that can be utilized to integrate site development with green building. Topics include: green planning, green construction, green implementation, and green maintenance. Andrew Ristvey University of Maryland Daniel Hitchcock Clemson University Abby Hall US EPA Jan Seago University of Idaho David Dickson University of Connecticut Mitch Woodward North Carolina State University	Gang Chen Bacterial Interactions and Transport in Unsaturated Porous Media	Barbara Liukkonen Impacts of a Conservation Field Day for Youth	Conservation Effects Assessment Projects (CEAP) synthesis project investigators will lead discussion of three topics related to CEAP projects: Quality of long term data sets, use of hydrology and water quality models, and a geospatial framework for CEAP synthesis.
1:40pm			Matthew Donnelly Persistence of Bacterial Pathogens, Fecal Bacterial Indicators, and Microbial Source Tracking Markers in Manure-amended Soils	Patrick Robinson Multistate Sharing of Wild Rice Cultural and Ecological Knowledge	
2:00pm	CEAP Data and Analyses Bob Kellogg, USDA-NRCS, and Deanna Osmond, NC State Univ.		Garey Fox Laboratory Column Experiments on the Transport of E. coli to Subsurface Drains by Macropore Flow	Sushama Pradhan Integrated Water Technologies Concept and Communitywide Water Management	
2:20pm	Watershed Impacts Panel Art Gold, URI		John McEvoy Cryptosporidium Transmission in the Midwest United States	Robert Broz On-Site Sewage Education as a Component of Watershed Management	
2:40pm	Richard Lowrance, USDA-ARS Matthew Helmers, Iowa State Univ. Jim Baker, Iowa State Univ.		Aaron Packman Interactions of Cryptosporidium parvum oocysts with Sediments and Biofilms: Implications for Waterborne Disease Transmission in Agricultural Watersheds	James Clark Reaching Rural Audiences at Home Using On-line and Portable Extension Water Courses	
3:00pm	Acceptable Levels: Implications for Public Policy and Adaptive Management Peter Nowak, Univ. of Wisconsin		John Toth Survival of Zoonotic Pathogenic Bacteria in the Agroecosystem	Edmund Merem Using Rural Stewardship Schemes In Environmental Protection	
3:20pm	The Dynamics and Impacts of Setting Acceptable Levels: How do we get accountability? Ken Genskow, Univ. of Wisconsin		Ramesh Attinti Virus (MS2, ï174 and Aichi) Transport through Sand Columns and Their Interaction Force Measurements by Atomic Force Microscopy	Ingrid West Regional Conservation Professional Training Program - Lessons Learned from Implementing a Multi-state Effort	
3:40pm	Are We Ready, Willing and Able to Set Acceptable Levels of Contaminant Losses? Insights and Discussion Jerry Lemunyon, USDA-NRCS		Mark Kuhlenschmidt Interaction of Rotavirus and Cryptosporidium parvum Oocysts with Soil Particles and Vegetative Filter Strips	Dana Rizzo and Kristen Saacke Blunk Water Infrastructure: Extension's Role in Advancing Community Dialogue	
4:00pm	5:00pm Adjourn				

Thursday, February 12

8:00am-12:00pm

Meramec

[Workshop: Setting Sustainable and Acceptable Levels of Off-Field Nutrient Losses: A Working Session](#)

Moderator: Rebecca Power, University of Wisconsin

Goal: Develop options for setting sustainable and acceptable levels of off-field nutrient losses derived from farming practices.

Setting "Acceptable Levels" of Off-Field Nutrient Losses

Jerry Lemunyon, USDA-NRCS

Learning from "T"

Mike Sucik, USDA-NRCS

Gerald Miller, Iowa State University

Charles Wortmann, University of Nebraska

The Challenge Ahead

Mike O'Neill, USDA-CSREES

Working Toward Acceptable Levels

Rebecca Power, University of Wisconsin

Where From Here?

Gerald Miller, Iowa State University

Rebecca Power, University of Wisconsin